

On page 18, at line 17 thereof, after “Volchegursky”, please replace “(Attorney Docket No. 30062-20047.20)” with --U.S. Serial No. 10/125,815--.

On page 20, at line 14 thereof, please replace “erythromcyins” with --erythromycins--.

On page 27, at line 20 thereof, after “Two”, please replace “embodiment” with --embodiments--.

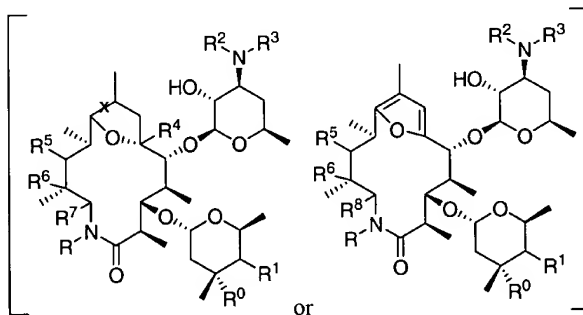
Amendments to the Claims

Please amend the claims as follows. A set of claims reflecting the amendments below is included herewith.

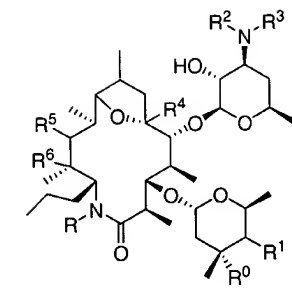
Please cancel claims 3–6 and 12–17 without prejudice to further prosecution in a related application, including without limitation: a divisional, continuation, or continuation-in-part application.

Please amend claims 1, 2, 7–11, 18, and 19 as follows.

1. (Amended) A compound of the formula



Serial No. 09/990,554
Attorney Docket No. 010041.02



wherein:

R is hydrogen, substituted C₁-C₁₀ alkyl, unsubstituted C₁-C₁₀ alkyl, substituted C₂-C₁₀ alkenyl, unsubstituted C₂-C₁₀ alkenyl, substituted C₂-C₁₀ alkynyl, unsubstituted C₂-C₁₀ alkynyl, substituted aryl, unsubstituted aryl, substituted alkylaryl, unsubstituted alkylaryl, substituted alkenylaryl, unsubstituted alkenylaryl, substituted alkynylaryl, or unsubstituted alkynylaryl;

R⁰ is hydroxyl or methoxy;

R¹ is selected from the group consisting of hydrogen, hydroxyl, halide, NH₂, OR⁹, $\text{O}=\text{C}-\text{R}^9$, $\text{O}=\text{C}-\text{NR}^{10}\text{R}^{11}$, $\text{N}=\text{C}-\text{R}^9$, $\text{N}=\text{C}-\text{NR}^{10}\text{R}^{11}$ where R⁹ is substituted C₁-C₁₀ alkyl, unsubstituted C₁-C₁₀ alkyl, substituted C₂-C₁₀ alkenyl, unsubstituted C₂-C₁₀ alkenyl, substituted C₂-C₁₀ alkynyl, unsubstituted C₂-C₁₀ alkynyl, substituted aryl, unsubstituted aryl, substituted alkylaryl, unsubstituted alkylaryl, substituted alkenylaryl, unsubstituted alkenylaryl, substituted alkynylaryl, or unsubstituted alkynylaryl, and R¹⁰ and R¹¹ are each independently hydrogen, substituted C₁-C₁₀ alkyl, unsubstituted C₁-C₁₀ alkyl, substituted C₂-C₁₀ alkenyl, unsubstituted C₂-C₁₀ alkenyl, substituted C₂-C₁₀ alkynyl, unsubstituted C₂-C₁₀ alkynyl, substituted aryl, unsubstituted aryl, substituted alkylaryl, unsubstituted alkylaryl, substituted alkenylaryl, unsubstituted alkenylaryl, substituted alkynylaryl, or unsubstituted alkynylaryl;

R² and R³ are each independently selected from the group consisting of hydrogen, substituted C₁-C₁₀ alkyl, unsubstituted C₁-C₁₀ alkyl, substituted C₂-C₁₀ alkenyl,

unsubstituted C₂-C₁₀ alkenyl, substituted C₂-C₁₀ alkynyl, unsubstituted C₂-C₁₀ alkynyl, substituted aryl, unsubstituted aryl, substituted alkylaryl, unsubstituted alkylaryl, substituted alkenylaryl, unsubstituted alkenylaryl, substituted alkynylaryl, and unsubstituted alkynylaryl, or R² and R³ together form a cycloalkyl or an aryl moiety;

R⁴ is hydrogen or methyl;

R⁵ is hydroxyl or oxo;

R⁶ is hydrogen, hydroxyl, or OR¹² where R¹² is substituted C₁-C₁₀ alkyl, unsubstituted C₁-C₁₀ alkyl, substituted C₂-C₁₀ alkenyl, unsubstituted C₂-C₁₀ alkenyl, substituted C₂-C₁₀ alkynyl, or unsubstituted C₂-C₁₀ alkynyl; and

[R⁷ is methyl, unsubstituted C₃-C₁₀ alkyl, substituted C₁-C₁₀ alkyl, substituted C₂-C₁₀ alkenyl, unsubstituted C₂-C₁₀ alkenyl, substituted C₂-C₁₀ alkynyl, unsubstituted C₂-C₁₀ alkynyl, substituted alkylaryl, unsubstituted alkylaryl, substituted alkenylaryl, unsubstituted alkenylaryl, substituted alkynylaryl, and unsubstituted alkynylaryl;]

R⁸ is unsubstituted C₁-C₁₀ alkyl, substituted C₁-C₁₀ alkyl, substituted C₂-C₁₀ alkenyl, unsubstituted C₂-C₁₀ alkenyl, substituted C₂-C₁₀ alkynyl, unsubstituted C₂-C₁₀ alkynyl, substituted alkylaryl, unsubstituted alkylaryl, substituted alkenylaryl, unsubstituted alkenylaryl, substituted alkynylaryl, or unsubstituted alkynylaryl]; and,

x is a single or a double bond].

2. (Amended) The compound as in claim1 wherein

R is hydrogen, methyl, ethyl, propyl, isopropyl, phenyl or benzyl; R⁰ is hydroxyl or methoxy;

R¹ is hydrogen or hydroxyl;

R² is methyl;

R³ is methyl, ethyl, propyl, isopropyl, butyl, isobutyl, secbutyl, or tertbutyl;

R⁴ is methyl;

R⁵ is hydroxyl;

R⁶ is hydroxyl or methoxy; and

[R⁷ is methyl, vinyl, propyl, isobutyl, pentyl, prop-2-enyl, propargyl, but-3-enyl, 2-azidoethyl, 2-fluoroethyl, 2-chloroethyl, cyclohexyl, phenyl, or benzyl;]

R⁸ is methyl, ethyl, vinyl, propyl, isobutyl, pentyl, prop-2-enyl, propargyl, but-3-enyl, 2-azidoethyl, 2-fluoroethyl, 2-chloroethyl, cyclohexyl, phenyl, or benzyl; and,

x is single bond or a double bond].

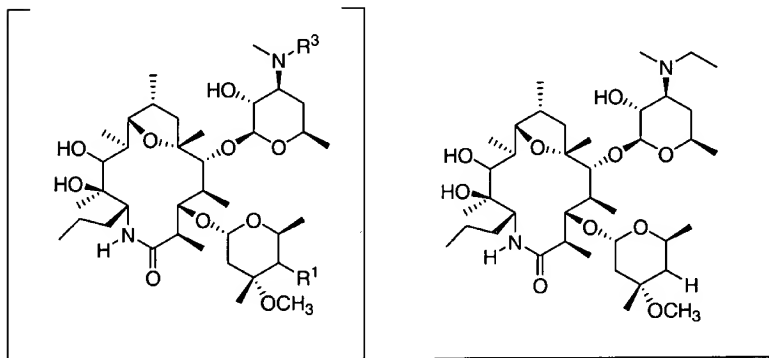
7. (Amended) The compound as in Claim [6] 1 wherein

R³ is methyl, ethyl, or isopropyl;

[R⁷ is propyl or fluoroethyl;] and

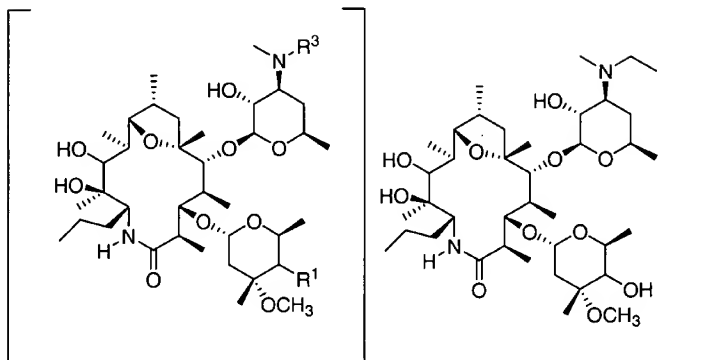
R⁸ is ethyl, propyl, or 2-fluoroethyl.

8. (Amended) The compound as in claim 7 of the formula



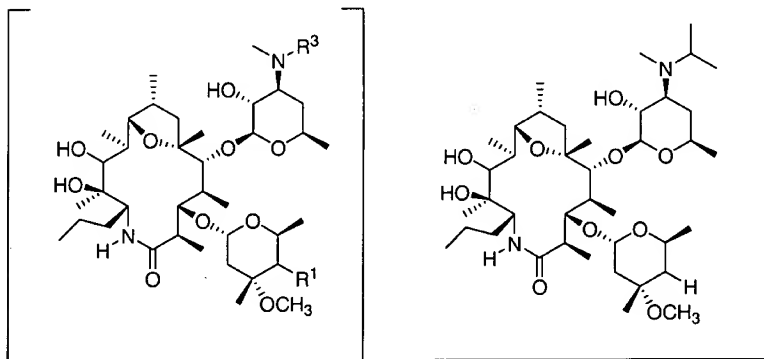
[wherein R¹ is hydrogen, R³ is ethyl and R⁷ is propyl].

9. (Amended) The compound as in Claim 7 of the formula



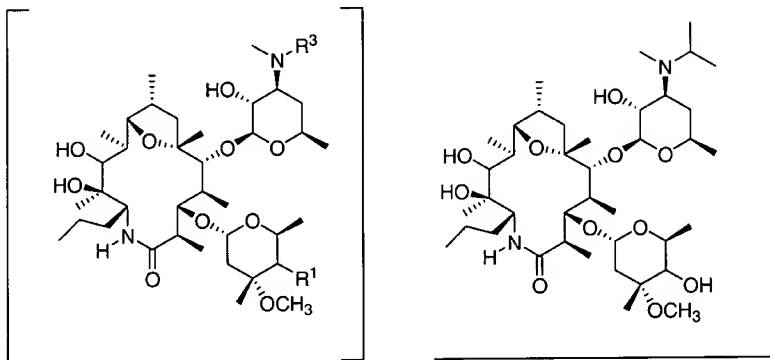
[wherein R^1 is hydroxyl, R^3 is ethyl and R^7 is propyl].

10. (Amended) The compound as in claim 7 of the formula



[wherein R^1 is hydrogen, R^3 is isopropyl and R^7 is propyl].

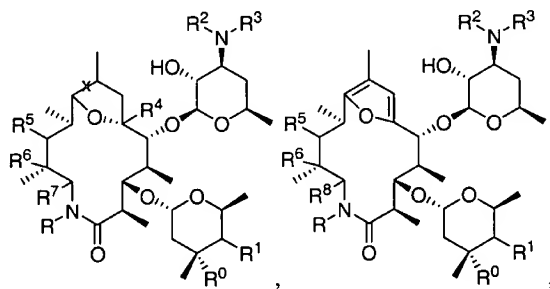
11. (Amended) The compound as in claim 7 of the formula

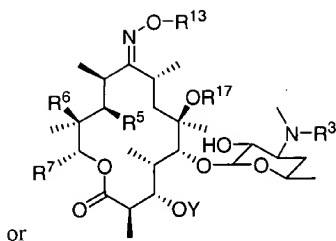


[wherein R^1 is hydroxyl, R^3 is isopropyl and R^7 is propyl].

18. (Amended) A method of treating a subject suffering from impaired GI motility comprising:

administering to said subject a therapeutically effective amount of a composition comprising a compound of claim 1 [the formula





wherein:

R is hydrogen, substituted C₁-C₁₀ alkyl, unsubstituted C₁-C₁₀ alkyl, substituted C₂-C₁₀ alkenyl, unsubstituted C₂-C₁₀ alkenyl, substituted C₂-C₁₀ alkynyl, unsubstituted C₂-C₁₀ alkynyl, substituted aryl, unsubstituted aryl, substituted alkylaryl, unsubstituted alkylaryl, substituted alkenylaryl, unsubstituted alkenylaryl, substituted alkynylaryl, or unsubstituted alkynylaryl;

R⁰ is hydroxyl or methoxy;

R¹ is selected from the group consisting of hydrogen, hydroxyl, halide, NH₂, OR⁹, $\text{O}\overset{\text{O}}{\parallel}\text{CR}^9$, $\text{OCNR}^{10}\text{R}^{11}$, $\text{N}\overset{\text{O}}{\parallel}\text{CR}^9$, $\text{CN}\overset{\text{O}}{\parallel}\text{CR}^{10}\text{R}^{11}$ where R⁹ is substituted C₁-C₁₀ alkyl, unsubstituted C₁-C₁₀ alkyl, substituted C₂-C₁₀ alkenyl, unsubstituted C₂-C₁₀ alkenyl, substituted C₂-C₁₀ alkynyl, unsubstituted C₂-C₁₀ alkynyl, substituted aryl, unsubstituted aryl, substituted alkylaryl, unsubstituted alkylaryl, substituted alkenylaryl, unsubstituted alkenylaryl, substituted alkynylaryl, or unsubstituted alkynylaryl, and R¹⁰ and R¹¹ are each independently hydrogen, substituted C₁-C₁₀ alkyl, unsubstituted C₁-C₁₀ alkyl, substituted C₂-C₁₀ alkenyl, unsubstituted C₂-C₁₀ alkenyl, substituted C₂-C₁₀ alkynyl, unsubstituted C₂-C₁₀ alkynyl, substituted aryl, unsubstituted aryl, substituted alkylaryl, unsubstituted alkylaryl, substituted alkenylaryl, unsubstituted alkenylaryl, substituted alkynylaryl, or unsubstituted alkynylaryl;

R² and R³ are each independently selected from the group consisting of hydrogen, substituted C₁-C₁₀ alkyl, unsubstituted C₁-C₁₀ alkyl, substituted C₂-C₁₀ alkenyl, unsubstituted C₂-C₁₀ alkenyl, substituted C₂-C₁₀ alkynyl, unsubstituted C₂-C₁₀ alkynyl, substituted aryl, unsubstituted aryl, substituted alkylaryl, unsubstituted alkylaryl,

Serial No. 09/990,554
Attorney Docket No. 010041.02

substituted alkenylaryl, unsubstituted alkenylaryl, substituted alkynylaryl, or unsubstituted alkynylaryl, or R² and R³ together form a cycloalkyl or an aryl moiety;

R⁴ is hydrogen or methyl;

R⁵ is hydroxyl or oxo;

R⁶ is hydrogen, hydroxyl, or OR¹² where R¹² is substituted C₁-C₁₀ alkyl, unsubstituted C₁-C₁₀ alkyl, substituted C₂-C₁₀ alkenyl, unsubstituted C₂-C₁₀ alkenyl, substituted C₂-C₁₀ alkynyl, or unsubstituted C₂-C₁₀ alkynyl;

R⁷ is methyl, unsubstituted C₃-C₁₀ alkyl, substituted C₁-C₁₀ alkyl, substituted C₂-C₁₀ alkenyl, unsubstituted C₂-C₁₀ alkenyl, substituted C₂-C₁₀ alkynyl, unsubstituted C₂-C₁₀ alkynyl, substituted alkylaryl, unsubstituted alkylaryl, substituted alkenylaryl, unsubstituted alkenylaryl, substituted alkynylaryl, or unsubstituted alkynylaryl;

R⁸ is unsubstituted C₁-C₁₀ alkyl, substituted C₁-C₁₀ alkyl, substituted C₂-C₁₀ alkenyl, unsubstituted C₂-C₁₀ alkenyl, substituted C₂-C₁₀ alkynyl, unsubstituted C₂-C₁₀ alkynyl, substituted alkylaryl, unsubstituted alkylaryl, substituted alkenylaryl, unsubstituted alkenylaryl, substituted alkynylaryl, or unsubstituted alkynylaryl;

R¹³ is hydrogen, unsubstituted C₁-C₁₀ alkyl, substituted C₁-C₁₀ alkyl, substituted C₂-C₁₀ alkenyl, unsubstituted C₂-C₁₀ alkenyl, substituted C₂-C₁₀ alkynyl, unsubstituted C₂-C₁₀ alkynyl, substituted alkylaryl, unsubstituted alkylaryl, substituted alkenylaryl, unsubstituted alkenylaryl, substituted alkynylaryl, or unsubstituted alkynylaryl;

R¹⁷ is hydrogen or methyl;

x is a single or a double bond; and,

Y is hydrogen, substituted C₁-C₁₀ alkyl, unsubstituted C₁-C₁₀ alkyl, substituted C₂-C₁₀ alkenyl, unsubstituted C₂-C₁₀ alkenyl, substituted C₂-C₁₀ alkynyl, unsubstituted C₂-C₁₀ alkynyl, substituted aryl, unsubstituted aryl, substituted alkylaryl, unsubstituted alkylaryl, substituted alkenylaryl, unsubstituted alkenylaryl, substituted alkynylaryl, unsubstituted alkynylaryl, unsubstituted cladinoses, or substituted cladinoses].